NOVELTY SQUIRTING DEVICE

DESCRIPTION

Background of Invention

[Para 1] In the past, gimmicks have been utilized in conjunction with other products to aid in an increased marketing ability. In the area of promotions, or more specifically novelty t-shirts and the like, gimmicks have been typically added such as in US4310927 where bladders are inserted under the fabric for a blow-up t-shirt. Some designs utilize holes in fabric such as US5175888 with a garment with fabric strips and US4813081 with a flesh exposure t-shirt. Still other innovative designs like US5530969 with a cookie shirt, and even a rubber shape shirt, RE35245, and also US4999848 with a lift up flap shirt add gimmicks to shirts. One particular design US4120053 is an object-dispensing shirt which ejects an object from an opening in a garment. This principle is applicable to the present invention in that water or fluid is ejected from a hidden nozzle which is attachable to a thin surface leaving only a small pin hole exposed to viewer.

[Para 2] In an exploration of gimmicks in conjunction with t-shirts, it is proposed to add a toy water gun to a t-shirt, but it is obvious that other configurations are possible. A miniature nozzle is inserted corresponding generally to a print which provides a squirt of water thereby implying a meaning. For example, a print of a fish with the nozzle located in the mouth portion will imply a water spitting fish. Once your imagination gets going, all sorts of hilarious implications can be made and are not the subject of this patent.

[Para 3] A typical toy squirt gun is similar to US5052587. Concealing a squirt nozzle has been accomplished before as in US4492318 and US5605253 where a swivel nozzle is included. A different approach has been explored in

US5605485 where a squirt gun is concealed in a stuffed animal figure. A concealed squirt gun has also been strapped to an arm as in US4997110. The concealed squirt gun prank allows a close range surprise encounter. Concealing a squirt gun under a garment with a miniature nozzle attached to the fabric would certainly create a surprise squirt. The subject of this patent utilizes a t-shirt to conceal a squirt gun however, a miniature nozzle can be placed virtually anywhere.

[Para 4] An exploration of different nozzles as in US4615488 reveals many configurations of fluid ejection nozzles. Exhaustive exploration reveals that a nozzle attached to fabric or thin surfaces is a novel idea.

Detailed Description

[Para 5] FIGURE 1. A cross sectional view of a hand held fluid burst device.

[Para 6] A hand held mechanism *1* for producing a burst of fluid such as water *2* is provided. Many different means for producing a burst *2* is possible. One such means includes a hand held reservoir *3* which contains a trigger *4* which activates a pump *5* resulting in a burst *2* suitable for squirting. The burst *2* is pumped through a tube attachment coupling *6* which exits the reservoir *3* in a location so as to be hidden from view or concealed. The coupling *6* is fitted with small diameter flexible tubing *7* which transfers the burst *2* to a remotely located miniature nozzle which is also hidden from view. *8* A fill plug *15* is provided in the case of the reservoir *3* for filling with fluid.

[Para 7] FIGURE 2. An enlarged cross sectional view of a miniature fluid emitting nozzle.

[Para 8] A concealed miniature nozzle *8* is attached somewhere to the inside of a thin surface such as fabric *9* which acts as a visual barrier hiding the nozzle's location. A miniature nozzle *8* is also incorporated into buttons and other features. In fact, discrete nozzles *8* also make squirting photos, illustrated pictures, or even hanging wall paintings that squirt! (Not shown) A typical miniature nozzle *8* contains a flange *10* for receiving thin surfaces. *9* The flange *10* is part of a coupling *11* which is in connection to flexible tubing

7 which is oriented parallel to the thin surface. *9* A burst of water *2* traveling through the flexible tubing *7* feeds through the coupling *11* and into a water dispersal chamber *12* and thereafter through a pin hole *14* in the thin surface *9* and then into the air with a squirt *2* emitting from an unexpected location.

[Para 9] FIGURE 3. A side view depicting fluid ejection from an attached nozzle.

[Para 10] A concealed miniature nozzle *8* is discreetly attached to a variety of thin surfaces *9* by several different means. One nozzle *8* attachment means is achieved through mechanical bonding which includes sewing and crimping with a fastener. (Not shown) Another type of nozzle attachment is achieved when a chemical means is implemented which would include gluing and heat setting techniques. (Not shown)